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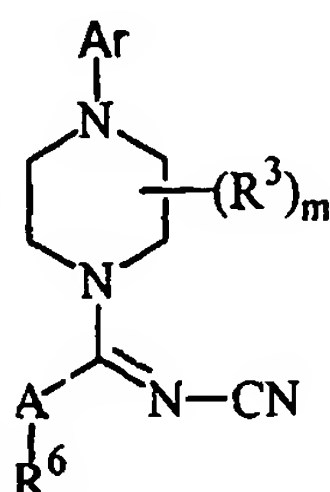
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ning of each regular issue of the PCT Gazette.*

(54) Title: THERAPEUTIC PIPERAZINE DERIVATIVES USEFUL FOR TREATING PAIN



(57) Abstract: A compound of formula (I): wherein A, Ar, R³, R⁶, and m are disclosed herein, or a pharmaceutically acceptable salt thereof (a "Cyanoiminopiperazine Compound"), composition, comprising an effective amount of a Cyanoiminopiperazine Compound, and methods for treating or preventing pain, urinary incontinence, an ulcer, inflammatory-bowel disease, irritable-bowel syndrome, an addictive disorder, Parkinson's disease, parkinsonism, anxiety, epilepsy, stroke, a seizure, a pruritic condition, psychosis, a cognitive disorder, a memory deficit, restricted brain function, Huntington's chorea, arsyotrophic lateral sclerosis, dementia, retinopathy, a muscle spasm, a migraine, vomiting, dyskinesia or depression in an animal comprising administering to an animal in need thereof an effective amount of a Cyanoiminopiperazine Compound are disclosed.

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INTERNATIONAL SEARCH REPORT

International Application No
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A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C07D213/74 C07D213/85 C07D239/42 C07D237/20 C07D241/20
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According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C07D

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, BEILSTEIN Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 02 16318 A (PACIFIC CORPORATION) 28 February 2002 (2002-02-28) page 45, line 5 - line 12; claims; example 139 ---	22,105, 120,135, 150,165, 180,210, 225
X	WO 01 95856 A (CHARCONNE NSI CO. LTD.) 20 December 2001 (2001-12-20) claim 1 ---	42-44,63
A	W. REID ET. AL.: "Synthese und Reaktionen neuer Thiazol- und Triazol-Abkömmlinge" CHEMISCHE BERICHTS, vol. 116, no. 4, 1983, XP002234184 page 1548, compounds 8c and 8d --- -/--	1-236

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents :

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier document but published on or after the international filing date
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- "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
- "&" document member of the same patent family

Date of the actual completion of the international search

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International Application No

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	W. E. MEYER ET. AL. : "5-(1-Piperazinyl)-1H-1,2,4-triazol-3-amin es as Antihypertensive Agents" JOURNAL OF MEDICINAL CHEMISTRY, vol. 32, 1989, pages 593-7, XP001156844 page 593, compound 3 and Table 1 ---	1-236
A	K. MATSUNO ET. AL. : "Potent and Selective Inhibitors of PDGF Receptor Phosphorylation. " JOURNAL OF MEDICINAL CHEMISTRY, vol. 45, 2002, pages 4513-23, XP001156845 page 4518; table 4 ---	1-236
A	EP 1 067 123 A (KYOWA HAKKO KOGYO CO. LTD.) 10 January 2001 (2001-01-10) page 30, line 1 - line 14; claims; examples ---	1-236
A	NL 7 804 136 A (FERMION OY) 27 April 1979 (1979-04-27) claims; examples ---	1-236
A	US 5 792 769 A (LU ET. AL.) 11 August 1998 (1998-08-11) column 24, line 6 - line 33; claims; examples -----	1-236

INTERNATIONAL SEARCH REPORT

International application No.
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Box I Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☒ Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:

Although claims 117 to 206 are directed to a method of treatment of the human/animal body, the search has been carried out and based on the alleged effects of the compound/composition.
2. ☐ Claims Nos.:
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box II Observations where unity of invention is lacking (Continuation of item 2 of first sheet)

This International Searching Authority found multiple inventions in this International application, as follows:

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☐ No protest accompanied the payment of additional search fees.

INTERNATIONAL SEARCH REPORT
Information on patent family members

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